



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

POSITIVE RECALL

EFFECTIVE 20/10/20

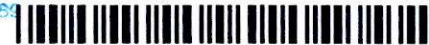
RELEASED 9

AUTH SM

DATE 20-10-5

649.4701

Job Sheet 212421



made to Rev C.

Part No: 649.4701

Job Qty: 1 pcs

Part Name: AW119 Cable Cutter System



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 8/24/20

Job Tracking No:

Due Date: 10/12/20

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: 649.4700 rev.F IPP REV:A 12.11.05 NEW ISSUE DD VERF:JLM IPP REV:B AS PER ECR 12-54 13-07-09
JLM VERIFIED BY:DD IPP REV:C 16.08.11 AS PER DWG REV.C DD VERF:JLM IPP REV:D 17.11.08 AS
PER DWG REV.E2 DD VERF:JFS IPP REV:E 18.03.28 AS PER DWG REV.F DD VERF:JFS

Ship Via:

REVC

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Sign-off
90	Packaging 1 - Pick Kit	1 pcs		10/12/20	0.00	0.00	Packaging 1 - 1	
							Packaging 1 - 2	DAS
							Packaging 1 - 3 ✓	80
							Packaging 1 - 4	9-89
							Packaging 1 - 5	
							Packaging 1 - 6	OCT 05 2020
							Packaging 1 - 7	
							Packaging 1 - 8	
							Packaging 1 - 9	
							Packaging 1 - 10	
							Packaging 1 - 11	
							Packaging 1 - 12	
							Packaging 1 - 13	
							Packaging 1 - 14	
							Packaging 1 - 15	
							Packaging 1 - 16	
							Packaging 1 - 17	
							Packaging 1 - 18	
							Packaging 1 - 19	
							Packaging 1 - 20	
							Packaging 1 - 21	
							Packaging 1 - 22	
							Packaging 1 - 23	
							Packaging 1 - 24	
							Packaging 1 - 25	
							Packaging 1 - 26	
							Packaging 1 - 27	
							Packaging 1 - 28	
							Packaging 1 - 29	
							Packaging 1 - 30	



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Container No: S304773



Part: 649.4701

Job No: 212421

Serial No/Batch: S304773

Revision: F

Inspector:

Exp Date:

Instructions: FAA STC SR02425LA 12/06/12, BRAZIL STC 21

Plex 8/24/20 8:47 AM Dart.lajeunesse.marie

				Packaging 1 - 31	
				Packaging 1 - 32	
				Packaging 1 - 33	
				Packaging 1 - 34	
				Packaging 1 - 35	
				Packaging 1 - 36	
				Packaging 1 - 37	
110	QC 4	1 pcs	10/12/20	0.00 0.00	QC 4 - 28
Please See Pat D for Positive recall signed off and Eng signed off by Eng					QC 4 - 58
					QC 4 - 69
					QC 4 - 9
					QC 4 - 46
					QC 4 - 68
					QC 4 - 72
					QC 4 - 74
					QC 4 - 75
					QC 4 - 78
					QC 4 - 84
					QC 4 - 80
					QC 4 - 85
120	Packaging 3-1 - Stock - B4B	1 pcs	10/12/20	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
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					Packaging 3 - 23 - B4B
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					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
					Packaging 3 - 37 - B4B
130	QC 21 - FG	1 pcs	10/12/20	0.00 0.00	QC 21 - FG - 21
					QC 21 - FG - 70

DAS
69
9-89

DAS
69
9-89

DAS
21
9-89 OCT 15 2020

QC 21 - FG - 9

QC 21 - FG - 77

Part Op 110 - (QC4- 100% Inspect kits for completeness)
 Descriptions: 120 - (Identify as per dwg & Stock Location: _____)
 130 - (QC21- Final Inspection - Work Order Release)

Master Unit No 017482

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.1012 ✓	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S301302 ✓ Exp 03/31/2021
601.2045 ✓	RTV (LOCTITE 598)	1 Ea (1 ea)	90-Packaging 1 - Pick Kit	S299615 ✓ Exp 12/10/2021
601.3493 ✓	Quick Release Pin	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	#123579 (XL) ✓ S 304266
646.9910 ✓	Struts	4 pcs (4 ea)	90-Packaging 1 - Pick Kit	S290101 ✓
647.9014 ✓	Strut Bracket	8 Ea (8 ea)	90-Packaging 1 - Pick Kit	S268779(x5) S2085 47(x3) ✓
649.4811 - Rev A ✓	Clip	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S296323 ✓
649.4812 ✓	Shim	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S209063 ✓
* 649.4813 - Rev A ✓	Shim	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	S141516 ✓
649.4814 ✓	Doubler	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	S296210 ✓
649.4815 ✓	Shim	4 pcs (4 ea)	90-Packaging 1 - Pick Kit	S285775 ✓
649.4816 - Rev A ✓	Doubler	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S285678 ✓
649.4817 ✓	Shim	4 pcs (4 ea)	90-Packaging 1 - Pick Kit	S296365 ✓
649.4818 ✓	Shim	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S069951 ✓
649.4819 ✓	Shim	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	S213761 ✓
649.4820 ✓	Shim	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S207810 ✓
649.4901 ✓	Upper Cutter Assembly	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S300084 ✓
649.4902 - Rev A ✓	Lower Cutter Assembly	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S300107 ✓
649.5010 - Rev C ✓	Deflector	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S296957 ✓
649.5011 ✓	Deflector	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S200579 ✓
649.5012 ✓	Deflector	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	S296787 ✓
649.5013 ✓	Deflector	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	S298791 ✓
649.5110 - Rev A ✓	Wiper Deflector	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	S295078 ✓
649.5111 - Rev A ✓	LH Wiper Deflector	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S054882 ✓
* 649.5112 - Rev A ✓	RH Wiper Deflector	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S054897 ✓
649.5113 ✓	Wiper Deflector Shim	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	S295551 ✓
649.5210 ✓	Doubler	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	S213337 ✓
649.5211 - Rev A ✓	Shim	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S209914 S209914 ✓
649.5212 ✓	Bracket	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S297587 ✓
649.5213 ✓	Doubler	2 pcs (2 ea)	90-Packaging 1 - Pick Kit	S210039 ✓
649.5214 - Rev A ✓	Bracket	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S297651 ✓
91420A230 ✓	Screw	13 Ea (13 ea)	90-Packaging 1 - Pick Kit	S299101 ✓
AN3C12A ✓	Bolt	8 Ea (8 ea)	90-Packaging 1 - Pick Kit	S287949 ✓
AN4C5A ✓	Bolt	4 Ea (4 ea)	90-Packaging 1 - Pick Kit	S294652 ✓
AN4C7A ✓	Bolt	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	S251071 ✓
AN970-3 ✓	Washer	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	S241724 ✓
CR3213-4-5 ✓	Rivet	24 Ea (24 ea)	90-Packaging 1 - Pick Kit	S287179 ✓
CR3213-5-4 ✓	Cherry Rivet	8 Ea (8 ea)	90-Packaging 1 - Pick Kit	S237734 ✓
MS20426AD3-4 ✓	Rivet	32 Ea (32 ea)	90-Packaging 1 - Pick Kit	S136144 ✓
MS20426AD4-4 ✓	Rivet	4 Ea (4 ea)	90-Packaging 1 - Pick Kit	S254574 ✓
MS20426AD3-5 ✓	Rivet	6 Ea (6 ea)	90-Packaging 1 - Pick Kit	S237814 ✓
MS20470AD4-5 ✓	Rivet, Universal Head	22 Ea (22 ea)	90-Packaging 1 - Pick Kit	S251253 ✓
MS20470AD5-11 ✓	Rivet	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	#107100 ✓
MS21042L4 ✓	Nut	4 Ea (4 ea)	90-Packaging 1 - Pick Kit	S298133 ✓
MS21042L08 ✓	Nut	9 Ea (9 ea)	90-Packaging 1 - Pick Kit	S299965 ✓
MS21042L3 ✓	Nut	22 Ea (22 ea)	90-Packaging 1 - Pick Kit	S299967 ✓
MS21059-3 ✓	Nut Plate	3 Ea (3 ea)	90-Packaging 1 - Pick Kit	#123900 ✓
MS21069-08 ✓	Anchor Nut	16 Ea (16 ea)	90-Packaging 1 - Pick Kit	S287751 ✓
MS24694-S62 ✓	Screw	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	#119850 ✓
MS24694-C57 ✓	Screw	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	S074200 ✓
MS27039-1-12 ✓	Screw	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	S231298 ✓
MS27039-1-13 ✓	Screw	13 Ea (13 ea)	90-Packaging 1 - Pick Kit	M124326 ✓
MS27039-1-14 ✓	Screw	4 Ea (4 ea)	90-Packaging 1 - Pick Kit	S283139 ✓
MS27039-1-18 ✓	Screw	4 Ea (4 ea)	90-Packaging 1 - Pick Kit	F124326-5 ✓
MS27039-08-24 ✓	Screw (MS27039-0824)	3 Ea (3 ea)	90-Packaging 1 - Pick Kit	S250566 ✓

MS27039-1-08 ✓	Screw	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	5298229 ✓
MS27039-1-10 ✓	Screw	6 Ea (6 ea)	90-Packaging 1 - Pick Kit	5284015 ✓
MS27039-08-13 ✓	Screw	12 Ea (12 ea)	90-Packaging 1 - Pick Kit	5299991 ✓
MS27039-08-19 ✓	Screw	26 Ea (26 ea)	90-Packaging 1 - Pick Kit	5265313 ✓
MS27039-1-25 ✓	Screw	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	F127432 ✓
NAS1834C3-300 ✓	Insert	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	F128686 ✓
NAS1832-3-7 ✓	Insert	8 Ea (8 ea)	90-Packaging 1 - Pick Kit	5299562 ✓
NAS1832-4-7 ✓	Insert	2 Ea (2 ea)	90-Packaging 1 - Pick Kit	528136 ✓
NAS1149F0332P ✓	Washer (AN960-10L)	53 Ea (53 ea)	90-Packaging 1 - Pick Kit	5297630 ✓
NAS1149FN832P ✓	Washer (AN960-8)	18 Ea (18 ea)	90-Packaging 1 - Pick Kit	5248080 ✓
NAS1149F0432P ✓	Washer (AN960-416L)	8 Ea (8 ea)	90-Packaging 1 - Pick Kit	5259979 ✓
NAS1149F0363P ✓	Washer (AN960-10)	16 Ea (16 ea)	90-Packaging 1 - Pick Kit	5260847 ✓
NAS1149CN832R ✓	Washer (AN960C8)	4 Ea (4 ea)	90-Packaging 1 - Pick Kit	5289458 ✓
NAS1330S08KB321 ✓	RIVNUT	8 Ea (8 ea)	90-Packaging 1 - Pick Kit	5098506 ✓
NAS620C-10L ✓	Washer	8 Ea (8 ea)	90-Packaging 1 - Pick Kit	5123464 ✓
NAS1330S08KB106 ✓	RIVNUT	8 Ea (8 ea)	90-Packaging 1 - Pick Kit	5043783 ✓
NAS9303B-5-03 ✓	Rivet	4 Ea (4 ea)	90-Packaging 1 - Pick Kit	5289300 ✓

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Packaging 1 - Pick Kit	600.1012	1	22	0
	601.2045	1	14	0
	601.3493	2	3	0
	646.9910	4	27	0
	647.9014	8	19	0
	649.4811	1	5	0
	649.4812	1	14	0
	649.4813	2	14	0
	649.4814	2	16	0
	649.4815	4	32	0
	649.4816	1	14	0
	649.4817	4	28	0
	649.4818	1	17	0
	649.4819	2	28	0
	649.4820	1	10	0
	649.4901	1	2	0
	649.4902	1	3	0
	649.5010	1	5	0
	649.5011	1	7	0
	649.5012	2	0	0
	649.5013	2	1	0
	649.5110	2	16	0
	649.5111	1	0	0
	649.5112	1	8	0
	649.5113	2	16	0
	649.5210	2	5	0
	649.5211	1	4	0
	649.5212	1	10	0
	649.5213	2	13	0
	649.5214	1	7	0
	91420A230	13	34	0
	AN3C12A	8	34	0
	AN4C5A	4	39	0
	AN4C7A	2	146	0
	AN970-3	2	22	0
	CR3213-4-5	24	256	0
	CR3213-5-4	8	228	0
	MS20426AD3-4	32	437	0
	MS20426AD3-5	6	3,196	0
	MS20426AD4-4	4	14,710	0
	MS20470AD4-5	22	1,026	0
	MS20470AD5-11	2	1,029	0
	MS21042L08	9	790	0
	MS21042L3	22	1,140	0
	MS21042L4	4	1,911	0
	MS21059-3	3	71	0
	MS21069-08	16	43	0
	MS24694-C57	2	96	0

MS24694-S62	2	46	0
MS27039-08-13	12	93	0
MS27039-08-19	26	726	0
MS27039-08-24	3	81	0
MS27039-1-08	2	66	0
MS27039-1-10	6	229	0
MS27039-1-12	2	190	0
MS27039-1-13	13	121	0
MS27039-1-14	4	384	0
MS27039-1-18	4	993	0
MS27039-1-25	2	37	0
NAS1149CN832R	4	192	0
NAS1149F0332P	53	1,665	0
NAS1149F0363P	16	407	0
NAS1149F0432P	8	626	0
NAS1149FN832P	18	1,239	0
NAS1330S08KB106	8	602	0
NAS1330S08KB321	8	350	0
NAS1832-3-7	8	25	0
NAS1832-4-7	2	6	0
NAS1834C3-300	2	96	0
NAS620C-10L	8	274	0
NAS9303B-5-03	4	96	0

Part Specifications

Specifications could not be found.

Plex 8/24/20 8:47 AM Dart.lajeunesse.marie

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Steven Drouin

From: Jacob Becker
Sent: Tuesday, August 25, 2020 1:54 PM
To: Steven Drouin
Cc: David Shepherd; Marc Bellavance
Subject: RE: Production request

Due to the circumstances related to a difference in windshield installation (screw in versus riveted design), it is acceptable to produce revision C for this customer so they receive the correct hardware and the correct components compatible with the older windshield design.

Regards,

JACOB BECKER
Lead Sustaining Engineer

DART AEROSPACE
T 1 760 509-1639
M 1 760 691-9108

From: Steven Drouin <sdrouin@dartaero.com>
Sent: Tuesday, August 25, 2020 9:09 AM
To: Jacob Becker <jbecker@dartaero.com>
Subject: Production request

Hi Jacob

Production would want to make the following parts to a old rev to the following items.

649.5010 REV. C , and currently at REV. D in Approved
649.5212 REV. A and currently at Rev. C in Approved
649.4701 REV. C and currently at Rev F in Approved
649.4811 REV. A and Currently at rev E in Approved

Alpha PO 42

P/N 649.4701 – pls change out the 649.4816 doubler REV E with other kit already received.

This 649.4701 is an earlier revision (S/N14777), and requires the REV A doubler, shipped in error in the kit already rec'd